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ABSTRACT

China colleges and universities that grant doctoral programs and the specialized fields offered are specified. For each of the 111 institutions, information is provided on the type of institution, location, alternative English versions of the school's name, and the doctoral degree programs offered. A brief narrative overview on the institutions and degrees is also presented. It is noted that the geographical distribution of the institutions is uneven: 10 of mainland China's 29 provinces, autonomous regions, and special municipalities do not have doctoral degree-granting institutions, and 40 of the 111 doctoral institutions are clustered in three metropolitan areas. Information is included on "key" institutions, or those that are eligible for preferential funding, staff selection, and student recruitment. The number of different fields of specialization in which doctoral programs are offered is about 260. The nature of the specializations in which the degree is offered is concentrated most heavily in technological and applied science fields, with a sizable number also in the pure physical and natural sciences. Only about 10% of the doctoral specializations are in the social sciences, and a slightly smaller number are in the the areas of the arts and humanities. (SW)

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DOCTORAL DEGREE PROGRAMS OFFERED BY CHINA'S COLLEGES AND UNIVERSITIES

by

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Office of Postsecondary Education
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It would be impossible to name here all the individuals consulted in the course of the report's preparation, but the writer would like to take this opportunity to convey his special thanks to the following: Mr. Joseph Wang, a private industrial consultant in the engineering field in Farmingdale, New York; Mr. Robert Dunn of the Chinese and Korean Section, Asian Division, Library of Congress; Dr. Michael Lindsay, Professor Emeritus of International Service, The American University, Washington, D. C., and his wife, Hsiao-li; and Dr. Charles T. G. Looney, retired Chairman, Civil Engineering Department, University of Maryland, College Park, Maryland.

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Introduction of the Academic Degree System

In February 1980, after nearly two years of preliminary consideration, Chinese authorities announced that the People's Republic of China, for the first time since it was established in 1949, would introduce a comprehensive and systematic program to award formal academic degrees. The degrees to be conferred would be on the three traditional levels—bachelor's, master's, and doctoral degrees.

Following this announcement, the government set up special committees to work out further details on the implementation of the new policy, including critical determinations as to where and (in the case of advanced degrees) in what fields of specialization the degrees would be awarded. During the balance of 1980 and 1981 these arrangements were discussed and developed. By the beginning of 1982, decisions were made on the designation of the colleges and universities that would be authorized to grant one or more of the three levels of degrees, and the specialized fields in which programs for the advanced degrees (master's and doctorates) were to be offered by the various institutions of higher education.[1]

At this stage, detailed reportage giving the names of the colleges and universities that were authorized to award advanced degrees along with the specific specialized fields in which each of these institutions would offer post-graduate programs was apparently not made available in the Chinese

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[1] The name-list of the 458 institutions authorized to grant the bachelor's degree was published in China in the journal Gaojiao Zhanxian [Higher Education Front], No. 1, 1982 (January, 1982), pp. 27-28.

mass media.

Initial Distribution of Doctoral Programs

Finally, in the spring of 1982, a new monthly official journal of the Ministry of Education, Gaojiao Zhanxian [Higher Education Front], published in its April and May issues a complete list of the initial group of colleges and universities authorized to grant doctoral degrees and the specialized fields in which each institution offered a doctoral program of studies. The detailed information contained in the list has been translated into English and is presented later in this report.

This comprehensive data on the doctoral programs offered in China's colleges and universities is of special significance in the context of academic and scientific and technological exchanges between the United States and China. It is of great value to American students and scholars interested in going to China to pursue advanced studies or research, or to teach or lecture in their specialties. It is also very useful to American institutions involved in the establishment of reciprocal relationships with one or more Chinese institutions. By identifying the specific Chinese colleges that have doctoral programs in particular fields, the information in the list clearly delineates those institutions that have especially strong high-level programs and highly qualified staff in certain academic areas.

It should be noted again at this juncture that the list presented and discussed in this report is of an initial group of colleges and universities offering doctoral programs, and that presumably both additional colleges and universities and other specialized fields will gradually be added as time passes. What we have here is, however, a basic benchmark list that sums up

the cumulative results of an extended period of development of high-level specializations by China's colleges and universities. As such, it will probably be changed only relatively slowly over the next few years. In view of the list's importance, some comments are warranted about both the institutions included on it and the doctoral fields of specialization which they offer.

Doctoral Degree-granting Institutions

With regard to the institutions, it should perhaps first be noted that the list includes a total of 111 colleges and universities authorized to grant doctoral degrees. The geographical distribution of these 111 institutions of higher education is rather uneven. Ten of mainland China's 29 provinces, autonomous regions, and special municipalities are not represented on the list by even a single doctoral degree-granting institution. The listed institutions are also highly concentrated within a few of the country's remaining nineteen major political subdivisions; 71 of them (nearly two-thirds of the total) are in only six jurisdictions. Furthermore, 40 of the 111 are clustered in only three metropolitan areas--Beijing (Peking) and Shanghai special municipalities and Nanjing (Nanking) city.

A more striking aspect of the list of doctoral degree-granting institutions is that a very significant number of them are <u>not</u> national "key" institutions. Since early 1978, the Chinese government has designated a sizable group among its several hundred colleges and universities--originally 88 institutions, but later gradually expanded to include 96--as national "key" institutions. These "key" institutions are eligible to receive preferential treatment in regard to funding, staff selection, and student recruitment in order to expedite their development as model insti-

tutions designed to play a leadership role in the improvement of the nation's educational system. During recent years these "key" institutions have come to be generally considered, both inside and outside China, as the best in the country in terms of the competencies of their faculties and the quality of their facilities and equipment. In these circumstances, one would have logically expected that the first group of 111 colleges and universities authorized to grant the highest academic degree would be made up of virtually all of the "key" institutions plus a dozen or so others. But such is not the case. In fact, 25 of the 96 "key" institutions (more than 1 in 4) are not on the doctoral degree-granting list. To put it another way, the latter list includes a very considerable number of institutions (40) that have not been designated as "key" institutions. Since the conferral of the doctoral degree is one kind of "status symbol" among institutions of higher education, this means, in effect, that the list of institutions authorized to grant the doctoral degree might be regarded as constituting a new and quite different roster of the leading colleges and universities in China.

A final and relatively minor point about the list of doctoral degree-granting institutions is that whereas all of these institutions, as might be assumed, have master's degree programs as well as doctoral programs, one of the listed institutions—Chinese Capital Medical University in Beijing (Peking)—has no undergraduate programs, and does not grant a bachelor's degree.

Doctoral Degree Program Specializations

Some summary observations may be in order concerning the fields of specialization (sometimes referred to as "specialties" or "specialities") in which the doctoral degree is awarded by the various Chinese colleges and

universities. First, with regard to their number, it is important to note that although the aggregate total of doctoral fields offered in all the 111 institutions combined is nearly 600, most fields are offered by more than one institution, and a few are offered by as many as a dozen institutions. As a result, the number of <u>different</u> fields of specialization in which a doctoral program is offered is much smaller--about 260.

As one would expect, the number of doctoral fields varies widely from one institution to another. Although on the average the colleges and universities on the list offer work in 5 or 6 fields, the big top-ranking institutions have doctoral programs in a much larger number of specializations. By far the highest number is at Beijing (Peking) University, the nation's foremost comprehensive (general) university with programs in the arts and humanities as well as the social and physical or natural sciences, where 45 doctoral fields are listed. A distant second place in this regard is occupied by Qinghua (Tsinghua) University, the country's leading applied science and technology institution, which has 31 fields. There is another substantial drop to the third position, Nanjing (Nanking) University with 24 fields. Only two additional institutions (Fudan University and Shanghai First Medical College) offer 20 or more doctoral specializations, but another dozen institutions award the degree in at least 10 different fields. At the other end of the scale are 32 institutions that offer doctoral work in only a single specialized field.

Regarding the nature of the specializations in which the degree is offered, it is noteworthy that they are concentrated most heavily in technological and applied science fields, with a sizable number also in the pure physical and natural sciences. Only a small proportion (about ten percent)

of the doctoral specializations are in the social sciences, and an even slightly smaller number are in the areas of the arts and humanities. Especially in the technological area, the doctoral fields tend to be very narrow, and to include specializations (such as welding, casting, and "cannons and automatic weapons") that would not be likely to be considered appropriate for doctoral degree purposes in this country.

The complete list of the specialized fields in which China's colleges and universities have been authorized to confer the doctoral degree is presented, on an institution-by-institution basis, in Table 1 below.

Table 1: Specialized Fields in which the Colleges and Universities May Award Doctoral Degrees, by Institution (1982)[1]

Beijing (Peking) Municipality

1. BEIJING UNIVERSITY[2]

Alternative English versions of name: Peking University
Location: Beijing (Peking) municipality
Type of institution: Comprehensive (national "key" institution)
Listing in Institutional Profiles: p. 203
Specialized fields in which a doctoral degree may be conferred:

History of Chinese Philosophy
Contemporary Foreign Philosophy
History of Marxist Philosophy
Aesthetics
Logic
History of Foreign Economic Thought
Economic History of China
Legal Theory
International Economic Law
International Law
Contemporary Chinese Literature
Ancient Chinese Literature
Chinese Classical Historical Texts
Contemporary Chinese Language
History of the Chinese Language
English Language and Literature
German Language and Literature
Hindi Language and Literature
Archaeology
Ancient Chinese History
Basic Mathematics
Computational Mathematics
Applied Mathematics
Probability Theory and Mathematical Statistics
Theoretical Physics
Solid State Physics
Nuclear Physics and Nuclear Technology
Electron and Ion Physics
Inorganic Chemistry
Analytical Chemistry
Physical Chemistry
Organic Chemistry
High Polymer Chemistry
Paleontology and Stratigraphy
Physical Geography
Historical Geography and History of Geography

For footnotes, see end of Table (p. 43).

Weather Dynamics
Botany
Plant Physiology
Zoology
Entomology
Physiology
Biochemistry
Solid State Mechanics
Fluid Mechanics

2. PEOPLE'S UNIVERSITY OF CHINA

Alternative English versions of name: Chinese People's University
Location: Beijing (Peking) municipality
Type of institution: Comprehensive (national "key" institution)
Listing in Institutional Profiles: p. 99
Specialized fields in which a doctoral degree may be conferred:

Dialectical Materialism and Historical Materialism
History of Chinese Philosophy
Political Economy
World Economics
Money and Banking
Statistics
History of the Chinese Communist Party
History of the International Communist Movement
Ancient Chinese History

3. QINGHUA UNIVERSITY

Alternative English versions of name: Tsinghua University
Location: Beijing (Peking) municipality
Type of institution: Scientific and Technological (national "key" institution)
Listing in Institutional Profiles: p. 101
Specialized fields in which a doctoral degree may be conferred:

Computational Mathematics
Theoretical Physics
Optics
Solid State Mechanics
Machinery Studies
Technology and Apparatus for Precision Measurement and Testing
Optical Instruments
Metallic Materials and Heat Treatment
Casting
Pressure Processing
Welding
Engineering Thermal Physics

Motor Vehicles
Electric Motors
Electrical Power Systems and their Automation
High Voltage Electrical Engineering
Theoretical Electrical Engineering
Communications and Electronic Systems
Semi-conductor Physics and Apparatus
Computer Organization and Systems Structure
Automatic Controls
Automation Instrumentation and Installation
Systems Engineering
Modular Recognition and Intelligent Control
Urban Planning and Design
Geotechnical Engineering
Hydraulics and River and Seashore Dynamics
Hydraulic Structural Engineering
Transmission and Separation Engineering
Nuclear Materials
Isotope Separation

4. BEIJING AERONAUTICAL COLLEGE

Alternative English versions of name: Beijing (Peking) Institute of Aeronautics
Location: Beijing (Peking) municipality
Type of institution: Technological (national "key" institution)
Listing in Institutional Profiles: p. 10
Specialized fields in which a doctoral degree may be conferred:

Solid State Mechanics
Aerodynamics
General Mechanics
Machinery Studies
Automatic Controls
Flight Mechanics
Aircraft Design
Aviation Engines
Aircraft Navigation and Control Systems
Engineering for the Manufacture of Aeronautic Instruments
Flight Gyroscopic and Inertial Guidance

5. BEIJING INDUSTRIAL COLLEGE

Alternative English versions of name: Beijing (Peking) Institute of Technology
Location: Beijing (Peking) municipality
Type of institution: Technological (national "key" institution)
Listing in Institutional Profiles: p. 15

Specialized fields in which a doctoral degree may be conferred:

Applied Mathematics
Energy-containing Materials
Vehicular Engineering (Vehicles and Motors)

6. BEIJING IRON AND STEEL COLLEGE

Alternative English versions of name: Beijing (Peking) Iron and Steel Institute; Beijing (Peking) Institute of Iron and Steel Technology
Location: Beijing (Peking) municipality
Type of institution: Technological (national "key" institution)
Listing in Institutional Profiles: p. 11
Specialized fields in which a doctoral degree may be conferred:

Metallurgical Machinery
Physics of Metals
Metallic Materials and Heat Treatment
Pressure Processing
Corrosion and Wear of Metals and their Prevention
Metallurgical Physical Chemistry
Iron and Steel Metallurgy
Mining Engineering

7. BEIJING POST AND TELECOMMUNICATIONS COLLEGE

Alternative English versions of name: Beijing (Peking) Institute of Post and Telecommunications
Location: Beijing (Peking) municipality
Type of institution: Technological (national "key" institution)
Listing in Institutional Profiles: p. 15
Specialized fields in which a doctoral degree may be conferred:

Communications and Electronic Systems
Electro-magnetic Field and Microwave Technology

8. NORTHERN COMMUNICATIONS UNIVERSITY

Alternative English versions of name: North China Jiaotong University
Location: Beijing (Peking) municipality
Type of institution: Technological (national "key" institution)
Listing in Institutional Profiles: p. 93
Specialized fields in which a doctoral degree may be conferred:

Railway Signal Systems and Controls

9. BEIJING AGRICULTURAL MECHANIZATION COLLEGE

Alternative English versions of name: Beijing (Peking) Institute of Agricultural Mechanization
Location: Beijing (Peking) municipality
Type of institution: Technological (national "key" institution)
Listing in Institutional Profiles: p. 13
Specialized fields in which a doctoral degree may be conferred:

Design and Manufacture of Agricultural Machinery

10. BEIJING TEACHERS UNIVERSITY

Alternative English versions of name: Beijing (Peking) Normal University
Location: Beijing (Peking) municipality
Type of institution: Teacher Training (national "key" institution)
Listing in Institutional Profiles: p. 17
Specialized fields in which a doctoral degree may be conferred:

World Economics
Basic Theories of Education
History of Chinese Education
Developmental Psychology
Contemporary Chinese Literature
Chinese Folk Literature
Philology of the Chinese Language
Historiography
Ancient Chinese History
Basic Mathematics
Probability Theory and Mathematical Statistics
Theoretical Physics
Solid State Physics
Physical Chemistry
Organic Chemistry
Ancient Geography
Cytology/Cell Biology

11. BEIJING FOREIGN LANGUAGES COLLEGE

Alternative English versions of name: Beijing (Peking) Foreign Languages Institute
Location: Beijing (Peking) municipality
Type of institution: Language (national "key" institution)
Listing in Institutional Profiles: p. 12
Specialized fields in which a doctoral degree may be conferred:

English Language and Literature

12. CENTRAL MUSIC COLLEGE

Alternative English versions of name: Central Music Conservatory
Location: Beijing (Peking) municipality
Type of institution: Arts (national "key" institution)
Listing in Institutional Profiles: p. 24
Specialized fields in which a doctoral degree may be conferred:

Musicology (History of Chinese Music)

13. BEIJING AGRICULTURAL UNIVERSITY

Alternative English versions of name: Peking Agricultural University
Location: Beijing (Peking) municipality
Type of institution: Agricultural (national "key" institution)
Listing in Institutional Profiles: p. 9
Specialized fields in which a doctoral degree may be conferred:

Crop Genetics and Crop Breeding
Plant Physiology and Biochemical Pedology
Preparation of Agricultural Chemicals and Pesticides
Plant Pathology
Entomology
Agricultural Microbiology

14. BEIJING FORESTRY COLLEGE

Alternative English versions of name: Beijing (Peking) Institute of Forestry
Location: Beijing (Peking) municipality
Type of institution: Forestry (national "key" institution)
Listing in Institutional Profiles: p. 14
Specialized fields in which a doctoral degree may be conferred:

Forest Ecology
Forest Management

15. CHINESE CAPITAL MEDICAL UNIVERSITY

Alternative English versions of name: Capital Medical University
Location: Beijing (Peking) municipality
Type of institution: Medical (national "key" institution)
Listing in Institutional Profiles: p. 21

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Specialized fields in which a doctoral degree may be conferred:

Biochemistry
Microbiology and Immunology
Internal Medicine
Surgery
Gynecology
Ophthalmology
Neurology
Nuclear Medicine

16. BEIJING MEDICAL COLLEGE

Alternative English versions of name: Peking Medical College
Location: Beijing (Peking) municipality
Type of institution: Medical (national "key" institution)
Listing in Institutional Profiles: p. 16
Specialized fields in which a doctoral degree may be conferred:

Human Anatomy
Tissue Embryology
Physiology
Biochemistry
Internal Medicine
Surgery
Pediatrics
Stomatology
Diagnostic Radiology
Juvenile Hygiene
Labor Hygiene and Occupational Diseases
Pharmaceutical Chemistry
Pharmacognosy

17. BEIJING SECOND MEDICAL COLLEGE

Alternative English versions of name: Beijing (Peking) Medical College No. 2
Location: Beijing (Peking) municipality
Type of institution: Medical
Listing in Institutional Profiles: p. 19
Specialized fields in which a doctoral degree may be conferred:

Internal Medicine
Surgery
Ophthalmology

18. BEIJING COLLEGE OF CHINESE MEDICINE

Alternative English versions of name: Beijing (Peking) College of Traditional Chinese Medicine
Location: Beijing (Peking) municipality
Type of institution: Medical (national "key" institution)
Listing in Institutional Profiles: p. 11
Specialized fields in which a doctoral degree may be conferred:

Internal Channels
Febrile Diseases
Theories of the Various Schools
Chinese Internal Medicine

Tianjin (Tientsin) Municipality

19. NANKAI UNIVERSITY

Alternative English versions of name: _____
Location: Tianjin (Tientsin) municipality
Type of institution: Comprehensive (national "key" institution)
Listing in Institutional Profiles: p. 91
Specialized fields in which a doctoral degree may be conferred:

Economic History of China
World Economics
Language and Literature of the Dong and Tai Language Groups
Ancient Chinese History
History of World Regions and Individual Nations
Basic Mathematics
Probability Theory and Mathematical Statistics
Theoretical Physics
Physical Chemistry
Organic Chemistry
High Polymer Chemistry

20. TIANJIN UNIVERSITY

Alternative English versions of name: Tientsin University
Location: Tianjin (Tientsin) municipality
Type of institution: Scientific and Technological (national "key" institution)
Listing in Institutional Profiles: p. 132
Specialized fields in which a doctoral degree may be conferred:

Experimental Mechanics
Machinery Manufacturing
Technology and Apparatus for Precision Measurement and Testing
Welding
Internal Combustion Engines

Electrical Power Systems and their Automation
Systems Engineering
Transmission and Separation Engineering
Basic Inorganic and Organic Chemical Engineering

21. TIANJIN MEDICAL COLLEGE

Alternative English versions of name: Tientsin Medical College
Location: Tianjin (Tientsin) municipality
Type of institution: Medical
Listing in Institutional Profiles: p. 130
Specialized fields in which a doctoral degree may be conferred:

Internal Medicine

Liaoning Province

22. DALIAN TECHNOLOGICAL COLLEGE

Alternative English versions of name: Dalian (Dairen) Institute of Technology
Location: Dalian (Dairen) city, Liaoning province
Type of institution: Technological (national "key" institution)
Listing in Institutional Profiles: p. 35
Specialized fields in which a doctoral degree may be conferred:

Computational Mechanics
Machinery Manufacturing
Internal Combustion Engines
Systems Engineering
Hydraulic Structural Engineering
Chemical Engineering Fluid Mechanics and Heat Transmission
Fine Chemical Engineering

23. NORTHEAST TECHNOLOGICAL COLLEGE

Alternative English versions of name: Northeast Institute of Technology
Location: Shenyang (Mukden) city, Liaoning province
Type of institution: Technological (national "key" institution)
Listing in Institutional Profiles: p. 95
Specialized fields in which a doctoral degree may be conferred:

Machinery Manufacturing
Machinery Studies
Pressure Processing
Iron and Steel Metallurgy
Non-ferrous Metallurgy
Computer Applications
Industrial Automation

24. SHENYANG AGRICULTURAL COLLEGE

Alternative English versions of name: Shenyang Agricultural Institute
Location: Shenyang (Mukden) city, Liaoning province
Type of institution: Agricultural (national "key" institution)
Listing in Institutional Profiles: p. 116
Specialized fields in which a doctoral degree may be conferred:

Crop Cultivation
Vegetables
Soil

25. CHINA MEDICAL UNIVERSITY

Alternative English versions of name: ——
Location: Shenyang (Mukden) city, Liaoning province
Type of institution: Medical
Listing in Institutional Profiles: p. 30
Specialized fields in which a doctoral degree may be conferred:

Human Anatomy
Dermatology

26. SHENYANG PHARMACOLOGY COLLEGE

Alternative English versions of name: Shenyang (Mukden) Institute of Pharmacology
Location: Shenyang (Mukden) city, Liaoning province
Type of institution: Scientific/Medical
Listing in Institutional Profiles: p. 117
Specialized fields in which a doctoral degree may be conferred:

Pharmaceutics

Jilin (Kirin) Province

27. JILIN UNIVERSITY

Alternative English versions of name: Kirin University
Location: Changchun city, Jilin (Kirin) province
Type of institution: Comprehensive (national "key" institution)
Listing in Institutional Profiles: p. 76
Specialized fields in which a doctoral degree may be conferred:

Political Economy
Archaeology

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Ancient Chinese History
Basic Mathematics
Computational Mathematics
Theoretical Physics
Solid State Physics
Semi-conductor Physics and Apparatus
Atomic and Molecular Physics
Physical Chemistry
Computer Software

28. CHANGCHUN GEOLOGICAL COLLEGE

Alternative English versions of name: Changchun Institute of Geology
Location: Changchun city, Jilin (Kirin) province
Type of institution: Scientific and Technological (national "key" institution)
Listing in Institutional Profiles: p. 25
Specialized fields in which a doctoral degree may be conferred:

Petrology (including Sedimentation)

29. JILIN INDUSTRIAL UNIVERSITY

Alternative English versions of name: Jilin (Kirin) Polytechnical University
Location: Changchun city, Jilin (Kirin) province
Type of institution: Technological (national "key" institution)
Listing in Institutional Profiles: p. 75
Specialized fields in which a doctoral degree may be conferred:

Design and Manufacture of Agricultural Machinery
Motor Vehicles

30. NORTHEAST TEACHERS UNIVERSITY

Alternative English versions of name: Northeast Normal University;
formerly Jilin (Kirin) Normal University
Location: Changchun city, Jilin (Kirin) province
Type of institution: Teacher Training
Listing in Institutional Profiles: ——
Specialized fields in which a doctoral degree may be conferred:

Ancient Chinese Literature
Ancient World History

31. BETHUNE MEDICAL UNIVERSITY

Alternative English versions of name: ——
Location: Changchun city, Jilin (Kirin) province
Type of institution: Medical
Listing in Institutional Profiles: p. 305
Specialized fields in which a doctoral degree may be conferred:

Microbiology and Immunology
Neurology

Heilongjiang (Heilungkiang) Province

32. HARBIN INDUSTRIAL UNIVERSITY

Alternative English versions of name: Harbin Institute of Technology; Harbin Polytechnical University
Location: Harbin city, Heilongjiang (Heilungkiang) province
Type of institution: Techological (national "key" institution)
Listing in Institutional Profiles: p. 54
Specialized fields in which a doctoral degree may be conferred:

Optics
Solid State Mechanics
General Mechanics
Machinery Manufacturing
Metallic Materials and Heat Treatment
Welding
Electric Motors
Computer Organization and Systems Structure

33. HARBIN SHIP ENGINEERING COLLEGE

Alternative English versions of name: Harbin Ship Engineering Institute; Harbin College of Shipbuilding
Location: Harbin city, Heilongjiang (Heilungkiang) province
Type of institution: Technological (national "key" institution)
Listing in Institutional Profiles: p. 53
Specialized fields in which a doctoral degree may be conferred:

Shipbuilding Fluid Mechanics
Marine Acoustics Engineering

34. HARBIN ARCHITECTURAL ENGINEERING COLLEGE

Alternative English versions of name: Harbin Institute of Architectural Engineering

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Location: Harbin city, Heilongjiang (Heilungkiang) province
Type of institution: Technological
Listing in Institutional Profiles: p. 53
Specialized fields in which a doctoral degree may be conferred:

Structural Mechanics

35. NORTHEAST AGRICULTURAL COLLEGE

Alternative English versions of name: Northeast Agricultural Institute
Location: Harbin city, Heilongjiang (Heilungkiang) province
Type of institution: Agricultural
Listing in Institutional Profiles: p. 94
Specialized fields in which a doctoral degree may be conferred:

Agricultural Mechanization
Animal Nutrition

36. NORTHEAST FORESTRY COLLEGE

Alternative English versions of name: Northeast Forestry Institute
Location: Harbin city, Heilongjiang (Heilungkiang) province
Type of institution: Forestry
Listing in Institutional Profiles: p. 94
Specialized fields in which a doctoral degree may be conferred:

Forest Botany
Forest Ecology

37. HARBIN MEDICAL UNIVERSITY

Alternative English versions of name: ——
Location: Harbin city, Heilongjiang (Heilungkiang) province
Type of institution: Medical
Listing in Institutional Profiles: p. 54
Specialized fields in which a doctoral degree may be conferred:

Medical Biology and Medical Genetics
Physiology
Internal Medicine
Nutritional Hygiene and Food Hygiene

Shanghai Municipality

38. FUDAN UNIVERSITY

Alternative English versions of name: Futan University
Location: Shanghai Municipality
Type of institution: Comprehensive (national "key" institution)
Listing in Institutional Profiles: p. 39
Specialized fields in which a doctoral degree may be conferred:

History of Foreign Philosophy
Political Economy
Ancient Chinese Literature
Styles and Forms of Chinese Literature
History of Chinese Literary Criticism
History of the Chinese Language
Ancient Chinese History
Ancient World History
Historical Geography
Basic Mathematics
Applied Mathematics
Theoretical Physics
Solid State Physics
Nuclear Physics and Nuclear Technology
Vacuum Physics
Inorganic Chemistry
Physical Chemistry
High Polymer Chemistry
Virology
Genetics
Fluid Mechanics

39. TONGJI UNIVERSITY

Alternative English versions of name: Tungchi University
Location: Shanghai Municipality
Type of institution: Scientific and Technological (national "key" institution)
Listing in Institutional Profiles: p. 134
Specialized fields in which a doctoral degree may be conferred:

Urban Planning and Design
Construction Design
Structural Engineering
Municipal Engineering
Inorganic Nonmetallic Materials

40. EAST CHINA CHEMICAL ENGINEERING COLLEGE

Alternative English versions of name: East China Institute of Chemical Technology

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Location: Shanghai Municipality
Type of institution: Technological (national "key" institution)
Listing in Institutional Profiles: p. 37
Specialized fields in which a doctoral degree may be conferred:

Chemical Engineering Machinery
Industrial Automation
High Polymer Materials
Transmission and Separation Engineering
Petroleum Processing Engineering

41. SHANGHAI COMMUNICATIONS UNIVERSITY

Alternative English versions of name: Shanghai Jiaotong University
Location: Shanghai Municipality
Type of institution: Technological (national "key" institution)
Listing in Institutional Profiles: p. 111
Specialized fields in which a doctoral degree may be conferred:

Solid State Physics
Solid State Mechanics
Machinery Manufacturing
Machinery Studies
Communications and Electronic Systems
Automatic Controls
Shipbuilding Design and Manufacture
Shipbuilding Structural Mechanics
Shipbuilding Fluid Mechanics
Marine Turbines
Marine Internal Combustion Engines
Vibration, Shock, and Noise

42. EAST CHINA TEXTILE ENGINEERING COLLEGE

Alternative English versions of name: East China Institute of Textile Engineering; formerly Shanghai Textile College (or Institute)
Location: Shanghai Municipality
Type of institution: Technological (national "key" institution)
Listing in Institutional Profiles: p. 114
Specialized fields in which a doctoral degree may be conferred:

Chemical Fibres
Textile Materials
Textile Machinery

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43. SHANGHAI UNIVERSITY OF SCIENCE AND TECHNOLOGY

Alternative English versions of name: ——
Location: Shanghai Municipality
Type of institution: Scientific and Technological
Listing in Institutional Profiles: p. 114
Specialized fields in which a doctoral degree may be conferred:

Electro-magnetic Field and Microwave Technology

44. EAST CHINA TEACHERS UNIVERSITY

Alternative English versions of name: East China Normal University; formerly Shanghai Normal University
Location: Shanghai Municipality
Type of institution: Teacher Training (national "key" institution)
Listing in Institutional Profiles: p. 38
Specialized fields in which a doctoral degree may be conferred:

History of Chinese Philosophy
World Economics
Basic Theories of Education
Developmental Psychology
Ancient Chinese Literature
History of Historiography
Ancient Chinese History
Basic Mathematics
Radiophysics
Natural Geography
Regional Geography
Zoology

45. SHANGHAI FINANCE AND ECONOMICS COLLEGE

Alternative English versions of name: Shanghai Institute of Finance and Economics
Location: Shanghai Municipality
Type of institution: Economics and Commerce
Listing in Institutional Profiles: p. 111
Specialized fields in which a doctoral degree may be conferred:

Accounting

46. SHANGHAI FIRST MEDICAL COLLEGE

Alternative English versions of name: Shanghai Medical College No. 1
Location: Shanghai Municipality

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Type of institution: Medical (national "key" institution)
Listing in Institutional Profiles: p. 110
Specialized fields in which a doctoral degree may be conferred:

Human Anatomy
Tissue Embryology
Physiology
Biochemistry
Microbiology and Immunology
Pathological Physiology
Pathological Anatomy
Pharmacology
Internal Medicine
Surgery
Ophthalmology
Otolaryngology
Neurology
Dermatology
Infectious Diseases
Diagnostic Radiology
Epidemiology
Environmental Sanitation
Labor Hygiene and Occupational Diseases
Fundamentals of the Integration of Chinese and Western Medicine (Acupuncture Anaesthesia)
Fundamentals of the Integration of Chinese and Western Medicine (Kidney Research)

47. SHANGHAI SECOND MEDICAL COLLEGE

Alternative English versions of name: Shanghai Medical College No. 2
Location: Shanghai Municipality
Type of institution: Medical
Listing in Institutional Profiles: p. 113
Specialized fields in which a doctoral degree may be conferred:

Microbiology and Immunology
Internal Medicine
Surgery
Pediatrics
Stomatology
Chinese and Western Medicine Integration Clinic (Endocrinology and Cardiovascular Diseases)

48. SHANGHAI COLLEGE OF CHINESE MEDICINE

Alternative English versions of name: Shanghai College of Traditional Chinese Medicine
Location: Shanghai Municipality

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Type of institution: Medical
Listing in Institutional Profiles: p. 109
Specialized fields in which a doctoral degree may be conferred:

Chinese Internal Medicine
Chinese Surgery (Skin)
Acupuncture and Moxibustion

Jiangsu (Kiangsu) Province

49. NANJING UNIVERSITY

Alternative English versions of name: Nanking University
Location: Nanjing (Nanking) city, Jiangsu (Kiangsu) province
Type of institution: Comprehensive (national "key" institution)
Listing in Institutional Profiles: p. 90
Specialized fields in which a doctoral degree may be conferred:

Ancient Chinese Literature
English Language and Literature
French Language and Literature
Ancient Chinese History
History of World Regions and Individual Nations
Specialized History
Basic Mathematics
Theoretical Physics
Solid State Physics
Acoustics
Nuclear Physics and Nuclear Technology
Radiophysics
Inorganic Chemistry
Analytical Chemistry
Organic Chemistry
Astrophysics
Mineral Deposits
Structural Geology
Physical Geography
Weather Dynamics
Climatology
Botany
Biochemistry
Computer Software

50. NANJING TECHNOLOGICAL COLLEGE

Alternative English versions of name: Nanjing (Nanking) Institute of Technology
Location: Nanjing (Nanking) city, Jiangsu (Kiangsu) province

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Type of institution: Technological (national "key" institution)
Listing in Institutional Profiles: p. 89
Specialized fields in which a doctoral degree may be conferred:

Casting
Communications and Electronic Systems
Electron Physics and Apparatus
Automatic Controls
History and Theory of Architecture
Architectural Design and Structural Engineering

51. NANJING AERONAUTICAL COLLEGE

Alternative English versions of name: Nanjing (Nanking) Institute of Aeronautics
Location: Nanjing (Nanking) city, Jiangsu (Kiangsu) province
Type of institution: Technological (national "key" institution)
Listing in Institutional Profiles: p. 86
Specialized fields in which a doctoral degree may be conferred:

Solid State Mechanics
Aerodynamics
Machinery Manufacture
Aircraft Design
Aviation Engines

52. EAST CHINA ENGINEERING COLLEGE

Alternative English versions of name: East China Institute of Engineering
Location: Nanjing (Nanking) city, Jiangsu (Kiangsu) province
Type of institution: Technological (national "key" institution)
Listing in Institutional Profiles: p. 37
Specialized fields in which a doctoral degree may be conferred:

Ballistics
Energy-containing Materials
Cannons and Automatic Weapons

53. CHINA MINING COLLEGE

Alternative English versions of name: China Mining Institute
Location: Xuzhou (Hsuchow) city, Jiangsu (Kiangsu) province
Type of institution: Technological (national "key" institution)
Listing in Institutional Profiles: p. 30

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Specialized fields in which a doctoral degree may be conferred:

Coalfield Geology and Prospecting
Mine Construction Engineering
Mine Electrification and Automation
Mine Machinery Engineering
Mine Engineering Mechanics

54. EAST CHINA WATER CONSERVANCY COLLEGE

Alternative English versions of name: East China Institute of Water Conservancy
Location: Nanjing (Nanking) city, Jiangsu (Kiangsu) province
Type of institution: Technological (national "key" institution)
Listing in Institutional Profiles: p. 38
Specialized fields in which a doctoral degree may be conferred:

Geotechnical Engineering
Engineering Hydrology and Water Resources
Hydraulics and River and Seashore Dynamics
Hydraulic Structural Engineering

55. NANJING FOREST PRODUCTS INDUSTRY COLLEGE

Alternative English versions of name: Nanjing (Nanking) Forestry Products Engineering Institute
Location: Nanjing (Nanking) city, Jiangsu (Kiangsu) province
Type of institution: Technological/Forestry
Listing in Institutional Profiles: p. 88
Specialized fields in which a doctoral degree may be conferred:

Forest Ecology
Silviculture

56. ZHENJIANG AGRICULTURAL MACHINERY COLLEGE

Alternative English versions of name: Zhenjiang (Chenkiang) Institute of Agricultural Machinery
Location: Zhenjiang (Chenkiang) city, Jiangsu (Kiangsu) province
Type of institution: Technological (national "key" institution)
Listing in Institutional Profiles: p. 154
Specialized fields in which a doctoral degree may be conferred:

Design and Manufacture of Agricultural Machinery

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57. NANJING TEACHERS COLLEGE

Alternative English versions of name: Nanjing (Nanking) Normal College
Location: Nanjing (Nanking) city, Jiangsu (Kiangsu) province
Type of institution: Teacher Training
Listing in Institutional Profiles: p. 90
Specialized fields in which a doctoral degree may be conferred:

Ancient Chinese Literature

58. YANGZHOU TEACHERS COLLEGE

Alternative English versions of name: Yangzhou (Yangchow) Normal College
Location: Yangzhou (Yangchow) city, Jiangsu (Kiangsu) province
Type of institution: Teacher Training
Listing in Institutional Profiles: p. 147
Specialized fields in which a doctoral degree may be conferred:

Ancient Chinese Literature

59. JIANGSU TEACHERS COLLEGE

Alternative English versions of name: Jiangsu (Kiangsu) Normal College
Location: Suzhou (Soochow) city, Jiangsu (Kiangsu) province
Type of institution: Teacher Training
Listing in Institutional Profiles: p. 70
Specialized fields in which a doctoral degree may be conferred:

Ancient Chinese Literature

60. NANJING AGRICULTURAL COLLEGE

Alternative English versions of name: Nanjing (Nanking) Agricultural Institute
Location: Nanjing (Nanking) city, Jiangsu (Kiangsu) province
Type of institution: Agricultural (national "key" institution)
Listing in Institutional Profiles: p. 86
Specialized fields in which a doctoral degree may be conferred:

Crop Genetics and Crop Breeding
Crop Nutrition and Fertilization
Plant Pathology
Agricultural Microbiology

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61. SUZHOU MEDICAL COLLEGE

Alternative English versions of name: Soochow Medical College
Location: Suzhou (Soochow) city, Jiangsu (Kiangsu) province
Type of institution: Medical
Listing in Institutional Profiles: p. 127
Specialized fields in which a doctoral degree may be conferred:

Internal Medicine
Surgery

62. NANJING MEDICAL COLLEGE

Alternative English versions of name: Nanking Medical College
Location: Nanjing (Nanking) city, Jiangsu (Kiangsu) province
Type of institution: Medical
Listing in Institutional Profiles: p. 89
Specialized fields in which a doctoral degree may be conferred:

Parasitology

63. NANJING COLLEGE OF CHINESE MEDICINE

Alternative English versions of name: Nanjing (Nanking) College of Traditional Chinese Medicine
Location: Nanjing (Nanking) city, Jiangsu (Kiangsu) province
Type of institution: Medical
Listing in Institutional Profiles: p. 86
Specialized fields in which a doctoral degree may be conferred:

Chinese Internal Medicine

64. NANJING PHARMACOLOGY COLLEGE

Alternative English versions of name: Nanjing (Nanking) Institute of Pharmacology
Location: Nanjing (Nanking) city, Jiangsu (Kiangsu) province
Type of institution: Scientific/Medical
Listing in Institutional Profiles: p. 87
Specialized fields in which a doctoral degree may be conferred:

Pharmaceutical Chemistry
Pharmacognosy

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Zhejiang (Chekiang) Province

65. HANGZHOU UNIVERSITY

Alternative English versions of name: Hangchow University
Location: Hangzhou (Hangchow) city, Zhejiang (Chekiang) province
Type of institution: Comprehensive
Listing in Institutional Profiles: p. 52
Specialized fields in which a doctoral degree may be conferred:

Industrial Psychology
Basic Mathematics

66. ZHEJIANG UNIVERSITY

Alternative English versions of name: Chekiang University
Location: Hangzhou (Hangchow) city, Zhejiang (Chekiang) province
Type of institution: Scientific and Technological (national "key" institution)
Listing in Institutional Profiles: p. 152
Specialized fields in which a doctoral degree may be conferred:

Basic Mathematics
Operations Research and Cybernetics
Theoretical Physics
Solid State Mechanics
Machinery for Light and Chemical Industry
Biomedical Apparatus and Engineering
Metallic Materials and Heat Treatment
Engineering Thermal Physics
Electric Motors
Electrical Power Systems and their Automation
Industrial Electronic Technology
Industrial Automation
Geotechnical Engineering
Chemical Engineering Thermodynamics

67. ZHEJIANG AGRICULTURAL UNIVERSITY

Alternative English versions of name: Chekiang Agricultural University
Location: Hangzhou (Hangchow) city, Zhejiang (Chekiang) province
Type of institution: Agricultural
Listing in Institutional Profiles: p. 150
Specialized fields in which a doctoral degree may be conferred:

Vegetables
Soil

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68. ZHEJIANG MEDICAL UNIVERSITY

Alternative English versions of name: Chekiang Medical University
Location: Hangzhou (Hangchow) city, Zhejiang (Chekiang) province
Type of institution: Medical
Listing in Institutional Profiles: p. 151
Specialized fields in which a doctoral degree may be conferred:

Internal Medicine
Infectious Diseases

Anhui (Anhwei) Province

69. CHINA UNIVERSITY OF SCIENCE AND TECHNOLOGY

Alternative English versions of name: University of Science and Technology of China
Location: Hefei (Hofei) city, Anhui (Anhwei) province (main campus); Graduate School is in Beijing (Peking)
Type of institution: Scientific and Technological (national "key" institution)
Listing in Institutional Profiles: p. 30
Specialized fields in which a doctoral degree may be conferred:

Basic Mathematics
Probability Theory and Mathematical Statistics
Theoretical Physics
Solid State Physics
Optics
Nuclear Physics and Nuclear Technology
Plasma Physics
Low Temperature Physics
History of Physics
Astrophysics
Fluid Mechanics

Fujian (Fukien) Province

70. XIAMEN UNIVERSITY

Alternative English versions of name: Amoy University
Location: Xiamen (Amoy) city, Fujian (Fukien) province
Type of institution: Comprehensive (national "key" institution)
Listing in Institutional Profiles: p. 139
Specialized fields in which a doctoral degree may be conferred:

Accounting
Ancient Chinese History
Specialized History

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Physical Chemistry
Zoology
Marine Biology

Shandong (Shantung) Province

71. SHANDONG UNIVERSITY

Alternative English versions of name: Shantung University
Location: Jinan (Tsinan) city, Shandong (Shantung) province
Type of institution: Comprehensive (national "key" institution)
Listing in Institutional Profiles: p. 109
Specialized fields in which a doctoral degree may be conferred:

Ancient Chinese Literature
Ancient Chinese History
Basic Mathematics
Planning and Control Theories
Magnetism
High Energy Physics
Physical Chemistry
Microbiology

72. SHANDONG OCEANOGRAPHY COLLEGE

Alternative English versions of name: Shandong (Shantung) Oceanology Institute
Location: Qingdao (Tsingtao) city, Shandong (Shantung) province
Type of institution: Scientific and Technological (national "key" institution)
Listing in Institutional Profiles: p. 107
Specialized fields in which a doctoral degree may be conferred:

Physical Oceanography

73. SHANDONG MEDICAL COLLEGE

Alternative English versions of name: Shantung Medical College
Location: Jinan (Tsinan) city, Shandong (Shantung) province
Type of institution: Medical
Listing in Institutional Profiles: p. 108
Specialized fields in which a doctoral degree may be conferred:

Gynecology

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Henan (Honan) Province

74. HENAN MEDICAL COLLEGE

Alternative English versions of name: Honan Medical College
Location: Zhengzhou (Chengchow) city, Henan (Honan) province
Type of institution: Medical
Listing in Institutional Profiles: p. 62
Specialized fields in which a doctoral degree may be conferred:

Pathological Anatomy
Otolaryngology

Hubei (Hupeh) Province

75. WUHAN UNIVERSITY

Alternative English versions of name: ———
Location: Wuhan city, Hubei (Hupeh) province
Type of institution: Comprehensive (national "key" institution)
Listing in Institutional Profiles: p. 138
Specialized fields in which a doctoral degree may be conferred:

Contemporary Foreign Philosophy
World Economics
International Law
History of the Chinese Language
Ancient Chinese History
Modern and Contemporary World History
Basic Mathematics
Space Physics
Physical Chemistry
Botany
Virology

76. CENTRAL CHINA TECHNOLOGICAL COLLEGE

Alternative English versions of name: Central China Institute of Technology
Location: Wuhan city, Hubei (Hupeh) province
Type of institution: Technological (national "key" institution)
Listing in Institutional Profiles: p. 22
Specialized fields in which a doctoral degree may be conferred:

Machinery Manufacture
Metallic Materials and Heat Treatment
Internal Combustion Engines
Power Plant Thermodynamics
Electric Motors

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Power Plant Engineering
Electric Power Systems and their Automation
Communications and Electronic Systems
Systems Engineering

77. WUHAN GEOLOGICAL COLLEGE

Alternative English versions of name: Wuhan Institute of Geology
Location: Wuhan city, Hubei (Hupeh) province
Type of institution: Scientific and Technological (national "key" institution)
Listing in Institutional Profiles: p. 136
Specialized fields in which a doctoral degree may be conferred:

Mineralogy
Petrology (including Sedimentation)
Mineral Deposits
Palaeontology and Stratigraphy
Petroleum Geology
Hydrogeology
Applied Geophysics
Mine Prospecting Engineering

78. WUHAN WATER CONSERVANCY AND ELECTRIC POWER COLLEGE

Alternative English versions of name: Wuhan Institute of Water Conservancy and Electric Power
Location: Wuhan city, Hubei (Hupeh) province
Type of institution: Technological (national "key" institution)
Listing in Institutional Profiles: p. 136
Specialized fields in which a doctoral degree may be conferred:

High Voltage Electrical Engineering
Engineering Hydrology and Water Resources
Hydraulics and River and Seashore Dynamics
Hydraulic Structural Engineering
Farmland Irrigation and Water Conservancy Engineering

79. WUHAN BUILDING MATERIALS INDUSTRY COLLEGE

Alternative English versions of name: Wuhan Institute of Building Materials
Location: Wuhan city, Hubei (Hupeh) province
Type of institution: Technological (national "key" institution)
Listing in Institutional Profiles: p. 135
Specialized fields in which a doctoral degree may be conferred:

Inorganic Non-metallic Materials

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80. WUHAN SURVEYING AND CARTOGRAPHY COLLEGE

Alternative English versions of name: Wuhan Institute of Geodesy, Photogrammetry and Cartography
Location: Wuhan city, Hubei (Hupeh) province
Type of institution: Technological (national "key" institution)
Listing in Institutional Profiles: p. 136
Specialized fields in which a doctoral degree may be conferred:

Aerial Photogrammetry
Geodesy

81. CENTRAL CHINA TEACHERS COLLEGE

Alternative English versions of name: Central China Normal College
Location: Wuhan city, Hubei (Hupeh) province
Type of institution: Teacher Training
Listing in Institutional Profiles: p. 23
Specialized fields in which a doctoral degree may be conferred:

Modern and Contemporary Chinese History
Historical Texts

82. CENTRAL CHINA AGRICULTURAL COLLEGE

Alternative English versions of name: Central China Agricultural Institute
Location: Wuhan city, Hubei (Hupeh) province
Type of institution: Agricultural (national "key" institution)
Listing in Institutional Profiles: p. 22
Specialized fields in which a doctoral degree may be conferred:

Crop Genetics and Crop Breeding
Fruit Trees
Agricultural Microbiology

83. WUHAN MEDICAL COLLEGE

Alternative English versions of name: ——
Location: Wuhan city, Hubei (Hupeh) province
Type of institution: Medical
Listing in Institutional Profiles: p. 137
Specialized fields in which a doctoral degree may be conferred:

Pathological Anatomy
Pharmacology
Internal Medicine

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Surgery
Gynecology
Otolaryngology
Environmental Sanitation

Hunan Province

84. CENTRAL-SOUTH MINING AND METALLURGY COLLEGE

Alternative English versions of name: Central-South Institute of Mining and Metallurgy
Location: Changsha city, Hunan province
Type of institution: Technological (national "key" institution)
Listing in Institutional Profiles: p. 24
Specialized fields in which a doctoral degree may be conferred:

Metallic Materials and Heat Treatment
Metallurgical Physical Chemistry
Non-ferrous Metallurgy
Mineral Products Surveying and Prospecting
Ore Dressing Engineering

85. CHANGSHA RAILWAY COLLEGE

Alternative English versions of name: Changsha Railway Institute
Location: Changsha city, Hunan province
Type of institution: Technological
Listing in Institutional Profiles: p. 26
Specialized fields in which a doctoral degree may be conferred:

Probability Theory and Mathematical Statistics

86. NATIONAL DEFENSE UNIVERSITY OF SCIENCE AND TECHNOLOGY

Alternative English versions of name: University of Science and Technology for National Defense
Location: Changsha city, Hunan province
Type of institution: Scientific and Technological
Listing in Institutional Profiles: p. 134
Specialized fields in which a doctoral degree may be conferred:

Solid State Mechanics
Aerodynamics
Computer Organization and Systems Structure
Automatic Controls

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87. HUNAN MEDICAL COLLEGE

Alternative English versions of name: ——
Location: Changsha city, Hunan province
Type of institution: Medical
Listing in Institutional Profiles: p. 66
Specialized fields in which a doctoral degree may be conferred:

Medical Biology and Medical Genetics
Physiology
Pathological Physiology
Pharmacology
Internal Medicine

Guangdong (Kwangtung) Province

88. ZHONGSHAN UNIVERSITY

Alternative English versions of name: Sun Yat-sen University; Chungshan University
Location: Guangzhou (Canton) city, Guangdong (Kwangtung) province
Type of institution: Comprehensive (national "key" institution)
Listing in Institutional Profiles: p. 155
Specialized fields in which a doctoral degree may be conferred:

Styles and Forms of Chinese Literature
Philology of the Chinese Language
English Language and Literature
Cultural Anthropology
Probability Theory and Mathematical Statistics
Theoretical Physics
Optics
Organic Chemistry
Botany
Entomology

89. SOUTH CHINA TECHNOLOGICAL COLLEGE

Alternative English versions of name: South China Institute of Technology; South China College of Engineering
Location: Guangzhou (Canton) city, Guangdong (Kwangtung) province
Type of institution: Technological (national "key" institution)
Listing in Institutional Profiles: p. 123
Specialized fields in which a doctoral degree may be conferred:

Machinery Manufacturing
Communications and Electronic Systems
History and Theory of Architecture
Chemical Engineering Fluid Mechanics and Heat Transmission
Sugar Refining Engineering

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90. ZHONGSHAN MEDICAL COLLEGE

Alternative English versions of name: Sun Yat-sen Medical College; Chungshan Medical College
Location: Guangzhou (Canton) city, Guangdong (Kwangtung) province
Type of institution: Medical (national "key" institution)
Listing in Institutional Profiles: p. 155
Specialized fields in which a doctoral degree may be conferred:

Human Anatomy
Microbiology and Immunology
Parasitology
Pharmacology
Internal Medicine
Surgery
Ophthalmology

91. GUANGZHOU COLLEGE OF CHINESE MEDICINE

Alternative English versions of name: Canton College of Chinese Medicine
Location: Guangzhou (Canton) city, Guangdong (Kwangtung) province
Type of institution: Medical
Listing in Institutional Profiles: p. 48
Specialized fields in which a doctoral degree may be conferred:

Chinese Obstetrics

Sichuan (Szechwan) Province

92. SICHUAN UNIVERSITY

Alternative English versions of name: Szechwan University
Location: Chengdu (Chengtu) city, Sichuan (Szechwan) province
Type of institution: Comprehensive (national "key" institution)
Listing in Institutional Profiles: p. 122
Specialized fields in which a doctoral degree may be conferred:

History of Chinese Literary Criticism
Archaeology
Ancient Chinese History
Basic Mathematics
Botany

93. CHONGQING UNIVERSITY

Alternative English versions of name: Chungking University
Location: Chongqing (Chungking) city, Sichuan (Szechwan) province

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Type of institution: Scientific and Technological (national "key" institution)
Listing in Institutional Profiles: p. 33
Specialized fields in which a doctoral degree may be conferred:

Theoretical Electrical Engineering

94. CHENGDU UNIVERSITY OF SCIENCE AND TECHNOLOGY

Alternative English versions of name: Chengtu University of Science and Technology
Location: Chengdu (Chengtu) city, Sichuan (Szechwan) province
Type of institution: Scientific and Technological (national "key" institution)
Listing in Institutional Profiles: p. 29
Specialized fields in which a doctoral degree may be conferred:

Hydraulics and River and Seashore Dynamics
High Polymer Materials

95. CHENGDU TELECOMMUNICATIONS ENGINEERING COLLEGE

Alternative English versions of name: Chengdu (Chengtu) Institute of Telecommunications Engineering
Location: Chengdu (Chengtu) city, Sichuan (Szechwan) province
Type of institution: Technological (national "key" institution)
Listing in Institutional Profiles: p. 28
Specialized fields in which a doctoral degree may be conferred:

Signals, Circuits, and Systems
Electronic Physics and Apparatus
Electro-magnetic Field and Microwave Technology

96. SOUTHWEST COMMUNICATIONS UNIVERSITY

Alternative English versions of name: Southwest Jiaotong University
Location: Emei county, Sichuan (Szechwan) province
Type of institution: Technological (national "key" institution)
Listing in Institutional Profiles: p. 125
Specialized fields in which a doctoral degree may be conferred:

Solid State Mechanics
Engineering of Bridges, Tunnels, and Structures
Electrification and Automation of Railway Propulsion

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97. SOUTHWEST AGRICULTURAL COLLEGE

Alternative English versions of name: Southwest Agricultural Institute
Location: Chongqing (Chungking) city, Sichuan (Szechwan) province
Type of institution: Agricultural (national "key" institution)
Listing in Institutional Profiles: p. 125
Specialized fields in which a doctoral degree may be conferred:

Soil

98. SICHUAN MEDICAL COLLEGE

Alternative English versions of name: Szechwan Medical College
Location: Chengdu (Chengtu) city, Sichuan (Szechwan) province
Type of Institution: Medical (national "key" institution)
Listing in Institutional Profiles: p. 121
Specialized fields in which a doctoral degree may be conferred:

Tissue Embryology
Biochemistry
Pathological Anatomy
Surgery
Stomatology
Pharmaceutical Chemistry

99. CHONGQING MEDICAL COLLEGE

Alternative English versions of name: Chungking Medical College
Location: Chongqing (Chungking) city, Sichuan (Szechwan) province
Type of institution: Medical
Listing in Institutional Profiles: p. 32
Specialized fields in which a doctoral degree may be conferred:

Infectious Diseases

100. CHENGDU COLLEGE OF CHINESE MEDICINE

Alternative English versions of name: Chengdu (Chengtu) College of Traditional Chinese Medicine
Location: Chengdu (Chengtu) city, Sichuan (Szechwan) province
Type of institution: Medical
Listing in Institutional Profiles: p. 27
Specialized fields in which a doctoral degree may be conferred:

Chinese Drugs

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Yunnan Province

101. YUNNAN UNIVERSITY

Alternative English versions of name: ____
Location: Kunming city, Yunnan province
Type of institution: Comprehensive (national "key" institution)
Listing in Institutional Profiles: p. 149
Specialized fields in which a doctoral degree may be conferred:

History of the Nationalities of China

Shaanxi (Shensi) Province

102. NORTHWEST UNIVERSITY

Alternative English versions of name: ____
Location: Xi'an (Sian) city, Shaanxi (Shensi) province
Type of institution: Comprehensive (national "key" institution)
Listing in Institutional Profiles: p. 96
Specialized fields in which a doctoral degree may be conferred:

Theoretical Physics

103. XI'AN COMMUNICATIONS UNIVERSITY

Alternative English versions of name: Xi'an (Sian) Jiaotong University
Location: Xi'an (Sian) city, Shaanxi (Shensi) province
Type of institution: Technological (national "key" institution)
Listing in Institutional Profiles: p. 142
Specialized fields in which a doctoral degree may be conferred:

Solid State Mechanics
Machinery Manufacturing
Liquid Pressure Transmission and Pneumatics
Metallic Materials and Heat Treatment
Engineering Thermal Physics
Thermal Energy Engineering
Fluid Machines and Fluid Dynamics Engineering
Electrical Apparatus
Electric Power Systems and Their Automation
Electrical Engineering Insulation Technology
Electro-magnetic Field and Microwave Technology
Automatic Controls
Systems Engineering

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104. SHAANXI MACHINERY COLLEGE

Alternative English versions of name: Shaanxi (Shensi) Machinery Institute
Location: Xi'an (Sian) city, Shaanxi (Shensi) province
Type of institution: Technological
Listing in Institutional Profiles: p. 103
Specialized fields in which a doctoral degree may be conferred:

Engineering Hydrology and Water Resources

105. NORTHWEST INDUSTRIAL UNIVERSITY

Alternative English versions of name: Northwest Polytechnical University; Northwest Institute of Technology
Location: Xi'an (Sian) city, Shaanxi (Shensi) province
Type of institution: Technological (national "key" institution)
Listing in Institutional Profiles: p. 96
Specialized fields in which a doctoral degree may be conferred:

Solid State Mechanics
Aerodynamics
General Mechanics
Casting
Aeronautical Mechanics
Aviation Engines
Engineering for the Manufacture of Aeronautic Instruments

106. NORTHWEST TELECOMMUNICATIONS ENGINEERING COLLEGE

Alternative English versions of name: Northwest Institute of Telecommunications Engineering
Location: Xi'an (Sian) city, Shaanxi (Shensi) province
Type of institution: Technological (national "key" institution)
Listing in Institutional Profiles: p. 96
Specialized fields in which a doctoral degree may be conferred:

Communications and Electronic Systems

107. XI'AN METALLURGY AND ARCHITECTURE COLLEGE

Alternative English versions of name: Xi'an (Sian) Institute of Metallurgy and Architecture
Location: Xi'an (Sian) city, Shaanxi (Shensi) province
Type of institution: Technological
Listing in Institutional Profiles: p. 141

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Specialized fields in which a doctoral degree may be conferred:

Structural Engineering

108. SHAANXI TEACHERS UNIVERSITY

Alternative English versions of name: Shaanxi (Shensi) Normal University
Location: Xi'an (Sian) city, Shaanxi (Shensi) province
Type of institution: Teacher Training
Listing in Institutional Profiles: p. 104
Specialized fields in which a doctoral degree may be conferred:

Historical Geography

109. XI'AN MEDICAL COLLEGE

Alternative English versions of name: Sian Medical College
Location: Xi'an (Sian) city, Shaanxi (Shensi) province
Type of institution: Medical
Listing in Institutional Profiles: p. 142
Specialized fields in which a doctoral degree may be conferred:

Physiology

Gansu (Kansu) Province

110. LANZHOU UNIVERSITY

Alternative English versions of name: Lanchow University
Location: Lanzhou (Lanchow) city, Gansu (Kansu) province
Type of institution: Comprehensive (national "key" institution)
Listing in Institutional Profiles: p. 81
Specialized fields in which a doctoral degree may be conferred:

Theoretical Physics
Nuclear Physics and Nuclear Technology
Organic Chemistry
Plant Physiology
Cytology/Cell Biology
Solid State Mechanics

111. NORTHWEST TEACHERS COLLEGE

Alternative English versions of name: Northwest Normal College
Location: Lanzhou (Lanchow) city, Gansu (Kansu) province

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Type of institution: Teacher Training
Listing in Institutional Profiles: ——
Specialized fields in which a doctoral degree may be conferred:

Theories of Teaching and Learning

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[1]The institutions are listed in the sequence used in the original Chinese source, where they are grouped by major political subdivisions (provinces and special municipalities) in the order in which these subdivisions are customarily arranged in official Chinese government documents.

[2]In the Chinese language, the name of each institution on this list includes one of two terms, daxue or xueyuan. In the main listing of an institution's name in this report, daxue is invariably translated as "university," and xueyuan is invariably translated as "college." Rendering xueyuan as "college" (rather than "institute," as it has been sometimes translated in other materials giving English names for China's higher educational institutions) is, in this writer's view, a preferable translation, particularly because it minimizes the possibility of confusion between China's colleges and the various Research Institutes of such bodies as the Chinese Academy of Sciences (CAS) and the Chinese Academy of Social Sciences (CASS), from whose names the term "research" is often dropped when they are translated into English.

[3]This entry indicates the page on which the institution is listed in Thomas Fingar, Higher Education and Research in the People's Republic of China: Institutional Profiles (Washington: Committee on Scholarly Communication with the People's Republic of China and National Association for Foreign Student Affairs, 1981). Readers are referred to this listing for the name of the institution in Chinese characters and in romanization, and also for other useful descriptive information.

Source: The names of the institutions and the doctoral fields of specialization for each are translated directly from lists in Gaojiao Zhanxian [Higher Education Front], No. 4, 1982 (April 13, 1982), pp. 40-42, and No. 5, 1982 (May 13, 1982), p. 44. Other information given on the institutions is based mainly on data in Fingar, op. cit..

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